

SEQUENCE LISTING

<110> AMRAD Operations Pty Ltd

<120> A NOVEL MAMMALIAN GENE, bcl-w, BELONGS TO THE bcl-2
FAMILY OF APOPTOSIS-CONTROLLING GENES

<130> 11686a

<150> 09/155,327

<151> 1997-03-27

<150> PN8965

<151> 1996-03-27

<160> 9

<170> PatentIn Ver. 2.1

<210> 1

<211> 33

<212> DNA

<213> Mouse

<220>

<221> modified_base

<222> 16

<223> n is inosine

<220>

<221> modified_base

<222> 19

<223> n is inosine

<220>

<221> modified_base

<222> 22

<223> n is inosine

<220>

<221> modified_base

<222> 25

<223> n is inosine

<400> 1

gctctagaac tggggnhgnr tngtngcctt ytt

33

<210> 2

<211> 9

<212> PRT

<213> Mouse

<220>

<221> Unsure

<222> 5

<223> Xaa is Ile or Val

<400> 2

Asn Trp Gly Arg Xaa Val Ala Phe Phe

1

5

<210> 3

<211> 31

<212> DNA

<213> Mouse

<220>

<221> modified_base

<222> 14

<223> n is inosine

<220>

<221> modified_base

<222> 17

<223> n is inosine

<220>

<221> modified_base

<222> 20

<223> n is inosine

<400> 3

ggaattccca gccnccntkn tcttgatcc a

31

<210> 4

<211> 8

<212> PRT

<213> Mouse

<220>

<221> Unsure

<222> 4

<223> Xaa is Asp or Glu

<220>

<221> Unsure

<222> 5

<223> Xaa is Asn or Gln

<400> 4

Trp Ile Gln Xaa Xaa Gly Gly Trp

1

5

<210> 5

<211> 14

<212> PRT

<213> Mouse

<400> 5

Met Ala Thr Pro Ala Ser Thr Pro Asp Thr Arg Ala Leu Val

1

5

10

<210> 6
 <211> 585
 <212> DNA
 <213> HUMAN

<220>
 <221> CDS
 <222> (1)..(579)

<400> 6
 atg gcg acc cca gcc tcg gcc cca gac aca cgg gct ctg gtg gca gac 48
 Met Ala Thr Pro Ala Ser Ala Pro Asp Thr Arg Ala Leu Val Ala Asp
 1 5 10 15
 ttt gta ggt tat aag ctg agg cag aag ggt tat gtc tgt gga gct ggc 96
 Phe Val Gly Tyr Lys Leu Arg Gln Lys Gly Tyr Val Cys Gly Ala Gly
 20 25 30
 ccc ggg gag ggc cca gca gct gac ccg ctg cac caa gcc atg cgg gca 144
 Pro Gly Glu Gly Pro Ala Ala Asp Pro Leu His Gln Ala Met Arg Ala
 35 40 45
 gct gga gat gag ttc gag acc cgc ttc cgg cgc acc ttc tct gat ctg 192
 Ala Gly Asp Glu Phe Glu Thr Arg Phe Arg Arg Thr Phe Ser Asp Leu
 50 55 60
 gcg gct cag ctg cat gtg acc cca ggc tca gcc cag caa cgc ttc acc 240
 Ala Ala Gln Leu His Val Thr Pro Gly Ser Ala Gln Gln Arg Phe Thr
 65 70 75 80
 cag gtc tcc gac gaa ctt ttt caa ggg ggc ccc aac tgg ggc cgc ctt 288
 Gln Val Ser Asp Glu Leu Phe Gln Gly Gly Pro Asn Trp Gly Arg Leu
 85 90 95
 gta gcc ttc ttt gtc ttt ggg gct gca ctg tgt gct gag agt gtc aac 336
 Val Ala Phe Phe Val Phe Gly Ala Ala Leu Cys Ala Glu Ser Val Asn
 100 105 110
 aag gag atg gaa cca ctg gtg gga caa gtg cag gag tgg atg gtg gcc 384
 Lys Glu Met Glu Pro Leu Val Gly Gln Val Gln Glu Trp Met Val Ala
 115 120 125

tac ctg gag acg cgg ctg gct gac tgg atc cac agc agt ggg ggc tgg 432
 Tyr Leu Glu Thr Arg Leu Ala Asp Trp Ile His Ser Ser Gly Gly Trp
 130 135 140

ggc gag ttc aca gct cta tac ggg gac ggg gcc ctg gag gag gcg cgg 480
 Ala Glu Phe Thr Ala Leu Tyr Gly Asp Gly Ala Leu Glu Glu Ala Arg
 145 150 155 160

cgt ctg cgg gag ggg aac tgg gca tca gtg agg aca gtg ctg acg ggg 528
 Arg Leu Arg Glu Gly Asn Trp Ala Ser Val Arg Thr Val Leu Thr Gly
 165 170 175

gcc gtg gca ctg ggg gcc ctg gta act gta ggg gcc ttt ttt gct agc 576
 Ala Val Ala Leu Gly Ala Leu Val Thr Val Gly Ala Phe Phe Ala Ser
 180 185 190

aag tgaa 583
 Lys

<210> 7
 <211> 193
 <212> PRT
 <213> HUMAN

<400> 7
 Met Ala Thr Pro Ala Ser Ala Pro Asp Thr Arg Ala Leu Val Ala Asp
 1 5 10 15

Phe Val Gly Tyr Lys Leu Arg Gln Lys Gly Tyr Val Cys Gly Ala Gly
 20 25 30

Pro Gly Glu Gly Pro Ala Ala Asp Pro Leu His Gln Ala Met Arg Ala
 35 40 45

Ala Gly Asp Glu Phe Glu Thr Arg Phe Arg Arg Thr Phe Ser Asp Leu
 50 55 60

Ala Ala Gln Leu His Val Thr Pro Gly Ser Ala Gln Gln Arg Phe Thr
 65 70 75 80

Gln Val Ser Asp Glu Leu Phe Gln Gly Gly Pro Asn Trp Gly Arg Leu
85 90 95

Val Ala Phe Phe Val Phe Gly Ala Ala Leu Cys Ala Glu Ser Val Asn
100 105 110

Lys Glu Met Glu Pro Leu Val Gly Gln Val Gln Glu Trp Met Val Ala
115 120 125

Tyr Leu Glu Thr Arg Leu Ala Asp Trp Ile His Ser Ser Gly Gly Trp
130 135 140

Ala Glu Phe Thr Ala Leu Tyr Gly Asp Gly Ala Leu Glu Glu Ala Arg
145 150 155 160

Arg Leu Arg Glu Gly Asn Trp Ala Ser Val Arg Thr Val Leu Thr Gly
165 170 175

Ala Val Ala Leu Gly Ala Leu Val Thr Val Gly Ala Phe Phe Ala Ser
180 185 190

Lys

<210> 8

<211> 582

<212> DNA

<213> Mouse

<220>

<221> CDS

<222> (1)..(579)

<400> 8

atg gcg acc cca gcc tca acc cca gac aca cgg gct cta gtg gct gac 48
Met Ala Thr Pro Ala Ser Thr Pro Asp Thr Arg Ala Leu Val Ala Asp
1 5 10 15

gcc gtg gca ctg ggg gcc ctg gta act gta ggg gcc ttt ttt gct agc 576
 Ala Val Ala Leu Gly Ala Leu Val Thr Val Gly Ala Phe Phe Ala Ser
 180 185 190

aag tga
 Lys

582

<210> 9
 <211> 193
 <212> PRT
 <213> Mouse

91
conu
 <400> 9
 Met Ala Thr Pro Ala Ser Thr Pro Asp Thr Arg Ala Leu Val Ala Asp
 1 5 10 15
 Phe Val Gly Tyr Arg Leu Arg Gln Lys Gly Tyr Val Cys Gly Ala Gly
 20 25 30
 Pro Gly Glu Gly Pro Ala Ala Asp Pro Leu His Gln Ala Met Arg Ala
 35 40 45
 Ala Gly Asp Glu Phe Glu Thr Arg Phe Arg Arg Thr Phe Ser Asp Leu
 50 55 60
 Ala Ala Gln Leu His Val Thr Pro Gly Ser Ala Gln Gln Arg Phe Thr
 65 70 75 80
 Gln Val Ser Asp Glu Leu Phe Gln Gly Gly Pro Asn Trp Gly Arg Leu
 85 90 95
 Val Ala Phe Phe Val Phe Gly Ala Ala Leu Cys Ala Glu Ser Val Asn
 100 105 110
 Lys Glu Met Glu Pro Leu Val Gly Gln Val Gln Asp Trp Met Val Ala
 115 120 125
 Tyr Leu Glu Thr Arg Leu Ala Asp Trp Ile His Ser Ser Gly Gly Trp
 130 135 140
 Ala Glu Phe Thr Ala Leu Tyr Gly Asp Gly Ala Leu Glu Glu Ala Arg
 145 150 155 160
 Arg Leu Arg Glu Gly Asn Trp Ala Ser Val Arg Thr Val Leu Thr Gly
 165 170 175
 Ala Val Ala Leu Gly Ala Leu Val Thr Val Gly Ala Phe Phe Ala Ser
 180 185 190
 Lys